

Flu Watch

MMWR Week 46: November 11 to November 17, 2018

All data are provisional and subject to change as more reports are received.

Geographic Spread



South Carolina reported **sporadic activity** this week.

Influenza Activity



Overall, there was **no change** in influenza activity this week.

Regional Influenza Activity



No change



No change



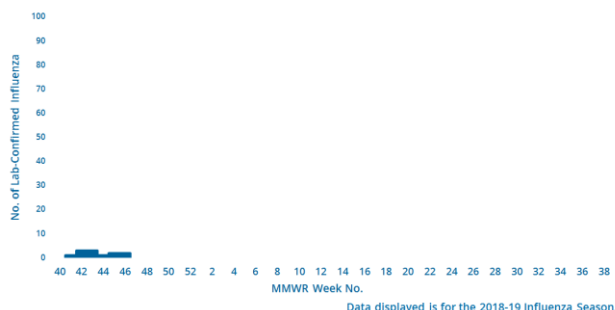
No change



No change

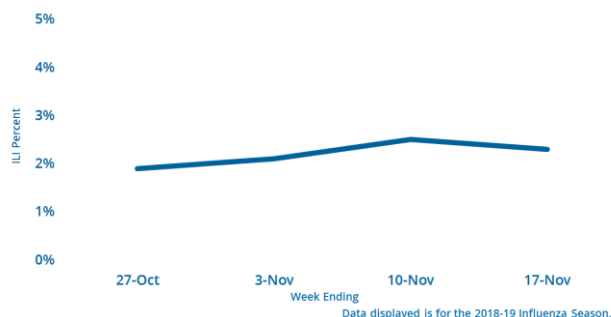
Virologic Surveillance

This week there were **2** lab-confirmed tests reported. Influenza A was most frequently reported. In the current flu season, there has been **12** lab-confirmed tests reported.



Influenza-Like Illness Surveillance

The percent of patient visits to sentinel providers for an influenza-like illness (ILI) was **2.25%**, which is below South Carolina's baseline (**3.53%**). The ILI activity level overall was **low**.



Influenza-Associated Hospitalizations

This week **20** influenza-associated hospitalizations were reported by **50** hospitals. The cumulative hospitalization rate is **1.7 per 100,000**. In the current flu season, there have been **84** influenza-associated hospitalizations.

Influenza-Associated Deaths

This week **1** influenza-associated death was reported. The cumulative mortality rate is **0.03 per 100,000**. In the current flu season, there have been **2** influenza-associated deaths.

For a description of South Carolina's influenza surveillance components and definitions go to:

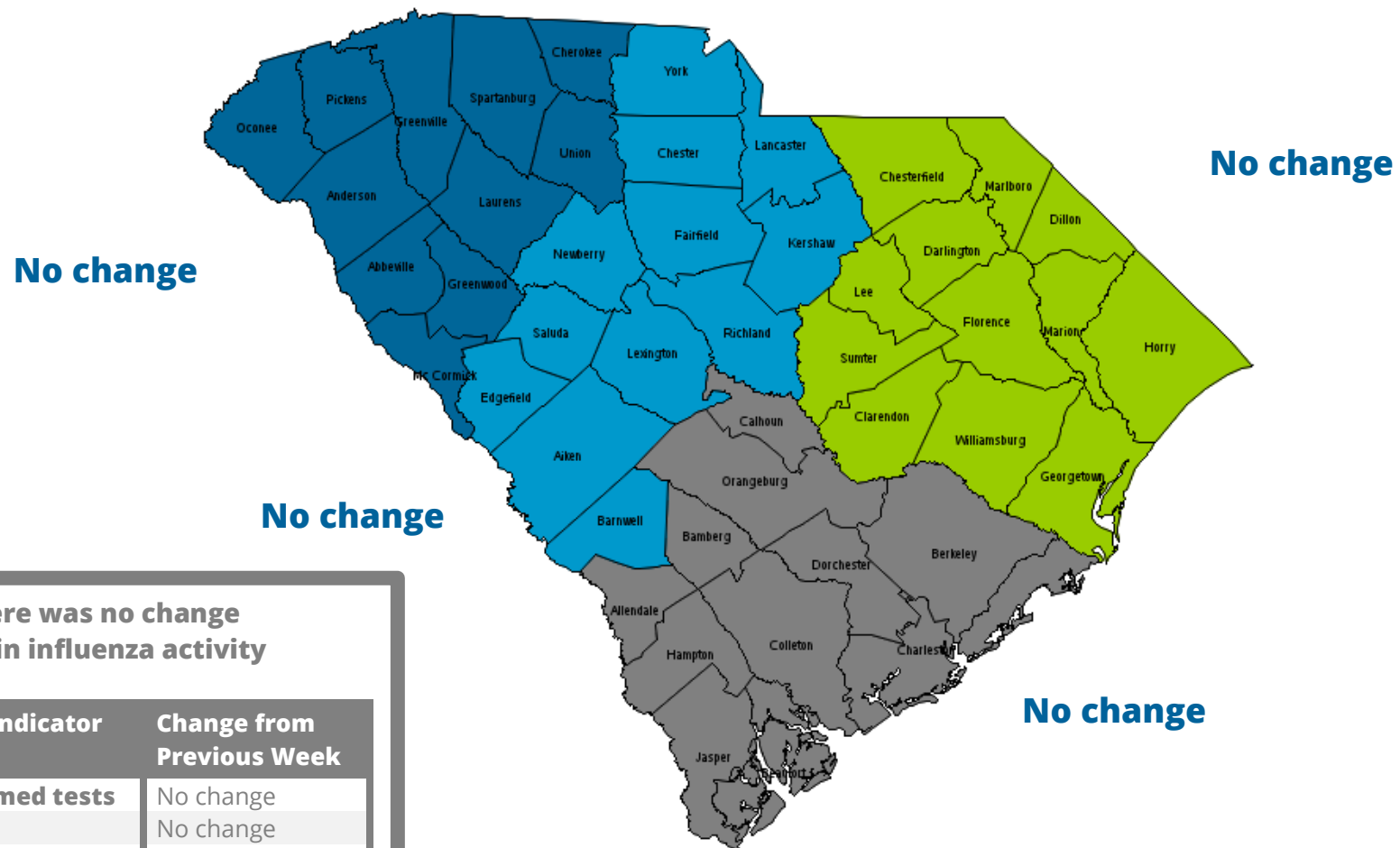
<http://www.scdhec.gov/Health/DiseasesandConditions/InfectiousDiseases/Flu/FluData/>

For national surveillance, please visit:

<https://www.cdc.gov/flu/weekly/>

Influenza Activity*

In the 4 Public Health Regions, activity showed...



Overall there was no change
statewide in influenza activity

Influenza Indicator	Change from Previous Week
Lab-confirmed tests	No change
ILI Percent	No change
Hospitalizations	No change

*Indicators for assessing influenza activity include: lab-confirmed tests, ILI percent, and hospitalizations.

Virologic Surveillance

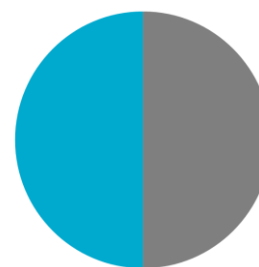
Influenza Type	Season Totals To Date					
	No. (%)	This Week	2018-19	2017-18	2016-17	5 season average
Overall		2	12	34	5	21
Influenza A		2 (100)	10(83.3)	31(91.2)	4(80)	18(85.7)
A(H3)		1(50)	1(10)	18(58)	2(50)	6(33.3)
A(H1N1)		1(50)	5(50)	--	--	7(39)
A(NS)*		--	4(40)	13(42)	2(50)	5(27.7)
Influenza B		0	2(16.7)	3(8.8)	1(20)	3(14.3)
B (Victoria)		--	--	--	--	0
B (Yamagata)		--	--	1(33.3)	--	0
B (LND)+		--	2(100)	2(66.7)	1(100)	3(100)

*NS - not subtyped

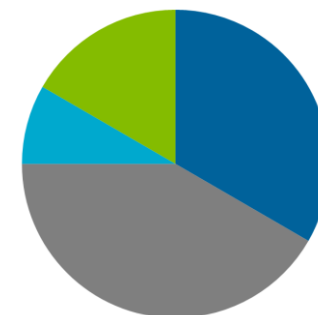
*LND - lineage not determined

Nationally, the influenza season begins with MMWR week 40 and ends with MMWR week 39. The 2018-19 influenza season began on September 30, 2018 and will end on September 28, 2019.

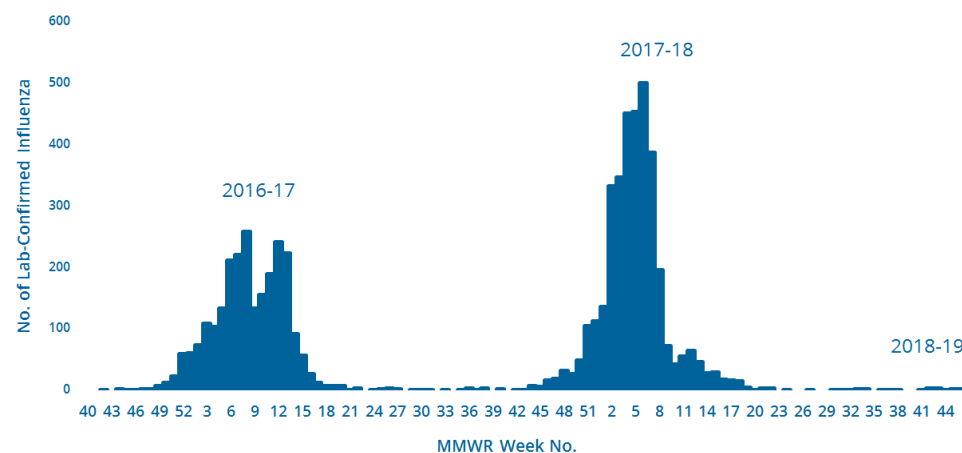
Week ending 11/17



Cumulative



■ A not subtyped ■ A(H1N1) ■ A (H3) ■ B (lineage not determined) ■ B (YAM) ■ B (VIC)



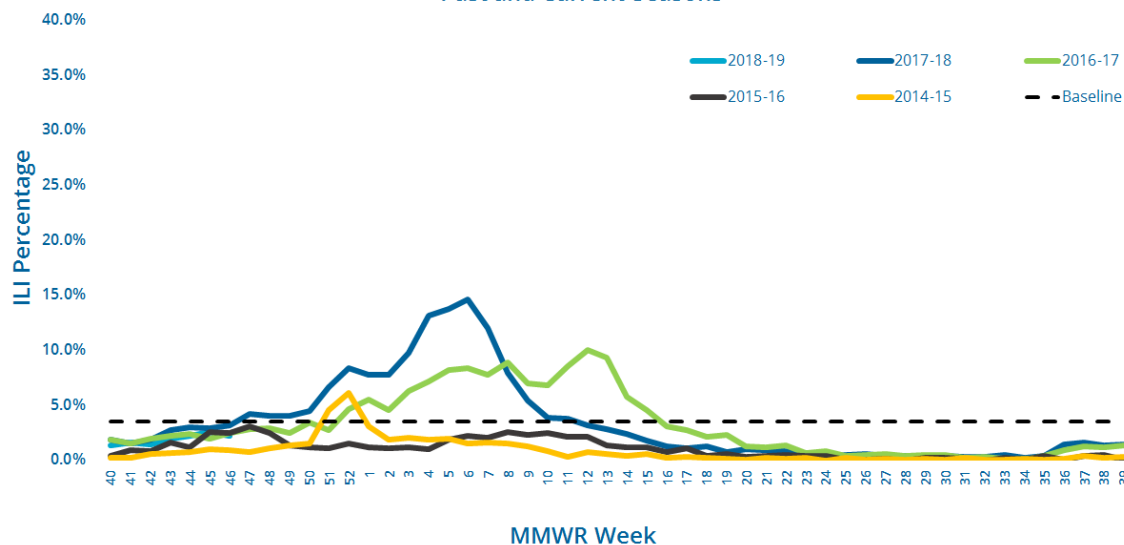
Influenza-Like Illness Surveillance

This week, the ILI activity level was **low** and **2.25%** of patient visits to SC ILINet providers was attributed to an influenza-like illness. This is **below** the state baseline, **3.53%**.

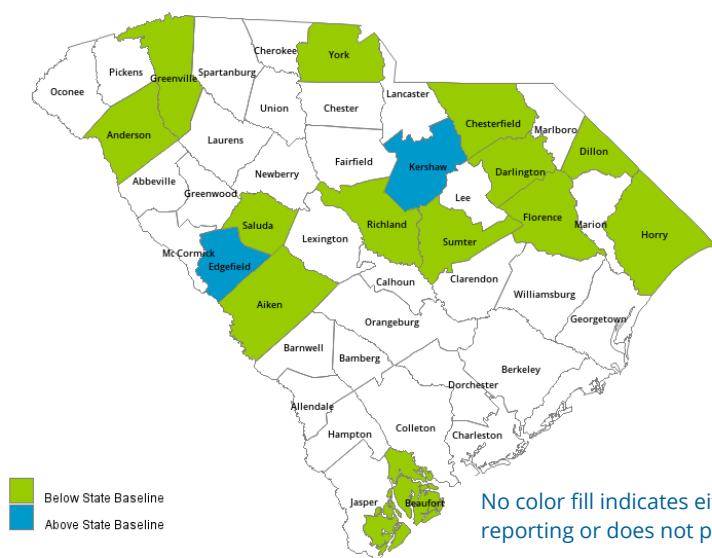
Reports were received from providers in 15 counties, representing all DHEC Public Health regions.

ILI percentage is dependent upon the number of reporting providers and/or can vary by disease activity or the number of providers submitting reports.

Percentage of Influenza-like Illness (ILI) Visits Reported by Sentinel Providers for Past and Current Seasons



County ILI Percent



State ILI Activity Level 2018-19 Calendar by Week of the Year

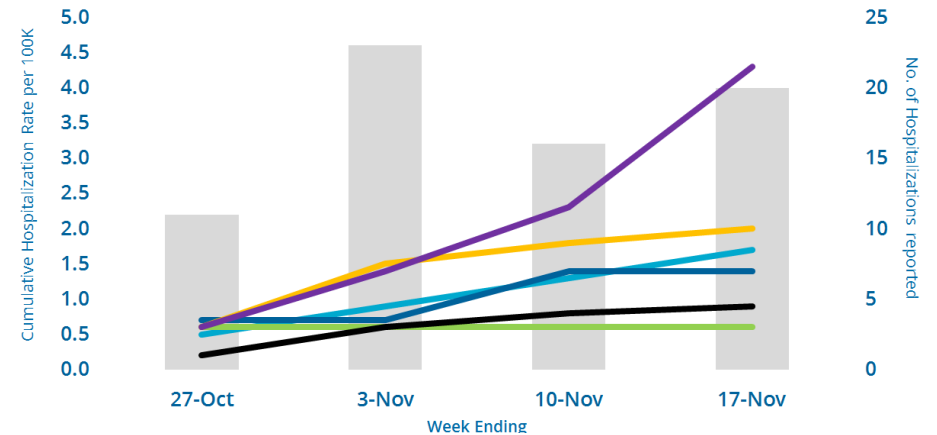
OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
40	44	48	1	5	9	14	18	22	27	31	36
41	45	49	2	6	10	15	19	23	28	32	37
42	46	50	3	7	11	16	20	24	29	33	38
43	47	51	4	8	12	17	21	25	30	34	39
		52			13			26		35	

ILI ACTIVITY LEVELS: MINIMAL LOW MODERATE HIGH

Influenza-Associated Hospitalizations And Deaths

Hospitalizations No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	20(0.4)	--	--	2(0.1)	2(0.2)	16(1.9)
2018-19	84(1.7)	4(1.4)	5(0.6)	18(0.9)	20(2.0)	37(4.3)
2017-18	72(1.4)	3(1.0)	2(0.2)	11(0.5)	14(1.4)	42(4.9)
2016-17	41(0.8)	1(0.3)	1(0.1)	6(0.3)	12(1.2)	21(2.5)
5 season average	61(1.2)	6(2.1)	5(0.6)	12(0.6)	15(1.5)	23(2.9)

Deaths No. (Rate)	Overall	Ages 0-4	Ages 5-17	Ages 18-49	Ages 50-64	Ages 65+
This Week	1(0.0)	--	--	--	--	1(0.1)
2018-19	2(0.0)	--	--	--	--	2(0.2)
2017-18	3(0.1)	--	--	--	--	3(0.3)
2016-17	2(0.0)	--	--	--	--	2(0.2)
5 season average	4(0.1)	0	0	0	1(0.1)	3(0.3)



Influenza-Associated Deaths by Region

